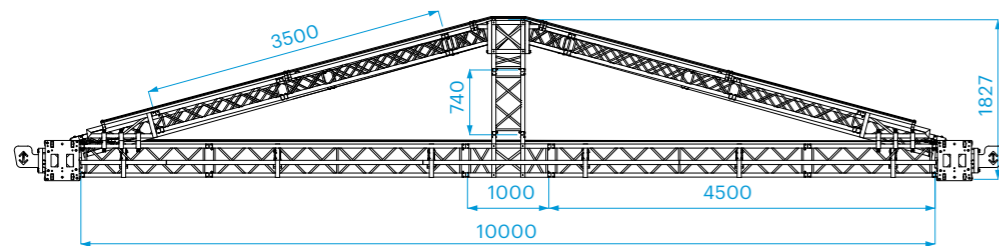
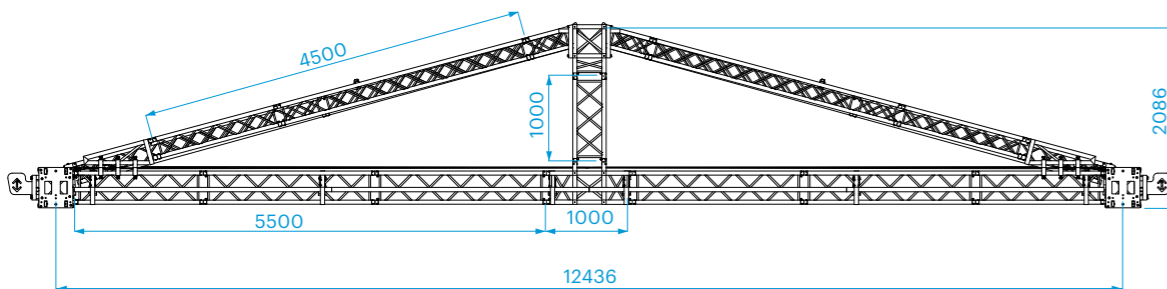


MPT ROOF 10 x 8 m



MPT ROOF 12 x 10 m



all measurements in mm



Photo: Profi, Ukraine

**SYSTEM DESCRIPTION**

The ST Roof is a self climbing tower-based structure with a pitched roof, a design that inherently offers optimum strength. The larger ST Series offers flexible possibilities for creating stage dimensions up to 20 x 14 m.

**INCLUDING**

- Tension gear and steel wires
- Structural report

**ROOF STRUCTURE**

Towers	6 x ST-tower, mast sections of S40T truss
Main grid	S52SV truss and H40V truss

**TECHNICAL SPECIFICATIONS - ST ROOF**

Dimension	<ul style="list-style-type: none"> <li>• 20 x 14 m, (65'7" x 45'11")</li> <li>• 18 x 14 m, (59'0" x 45'11")</li> <li>• 16 x 14 m, (52'5" x 45'11")</li> <li>• 12 x 10 m, (39'4" x 32'9")</li> </ul>
Loading capacity (UDL)	<ul style="list-style-type: none"> <li>20 x 14 m approx. 4700kg</li> <li>18 x 14 m approx. 8000kg</li> <li>16 x 14 m approx. 9800kg</li> <li>12 x 10 m approx. 11000kg</li> </ul>
Total weight	<ul style="list-style-type: none"> <li>20 x 14 m approx. 5400kg</li> <li>18 x 14 m approx. 5200kg</li> <li>16 x 14 m approx. 5000kg</li> <li>12 x 10 m approx. 3600kg</li> </ul>
Transportation volume	<ul style="list-style-type: none"> <li>20 x 14 m approx. 110m<sup>3</sup></li> <li>18 x 14 m approx. 110m<sup>3</sup></li> <li>16 x 14 m approx. 110m<sup>3</sup></li> <li>12 x 10 m approx. 70m<sup>3</sup></li> </ul>
Max. wind speed	28,4 m/second, 63,3 mph

Consult Prolyte for up-to-date information on loading capacity, wind speed, total weight and transportation volume in line with the latest regulations.

**Advantages**

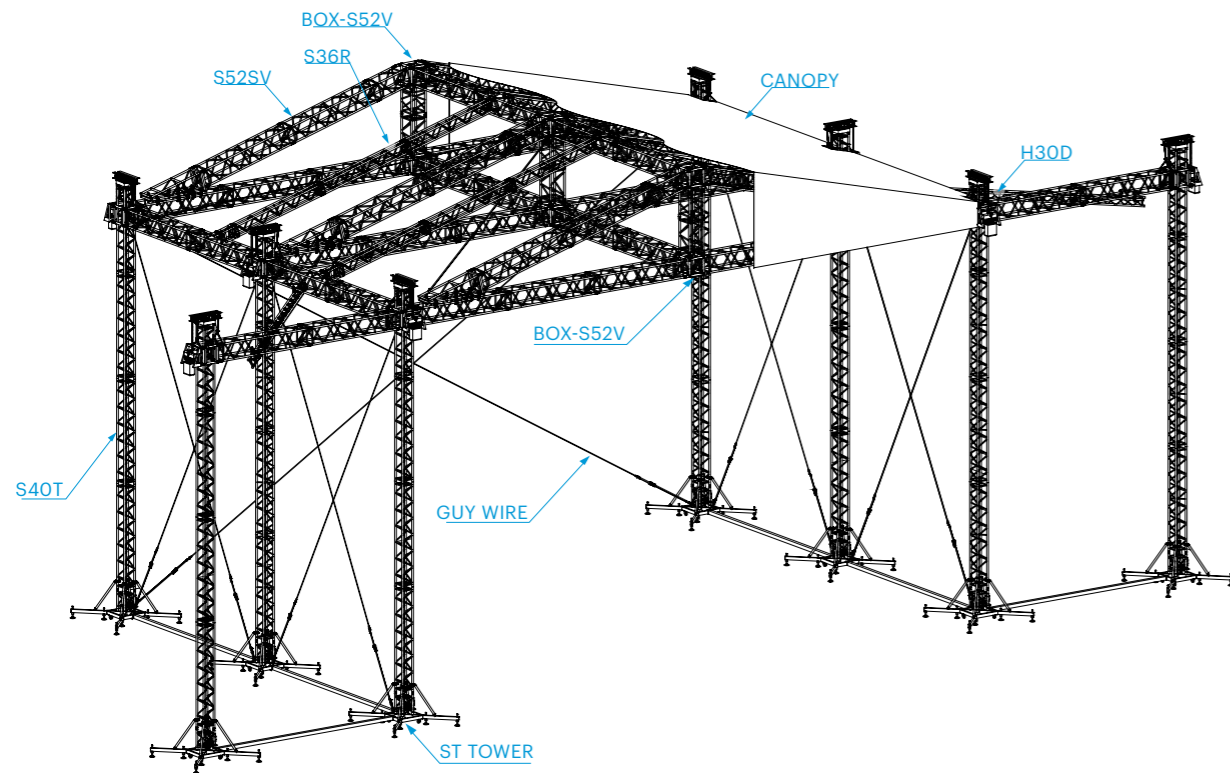
- Flexible possibilities for stage dimensions
- Designed to offer optimum strength
- Extra options available

**OPTIONS**

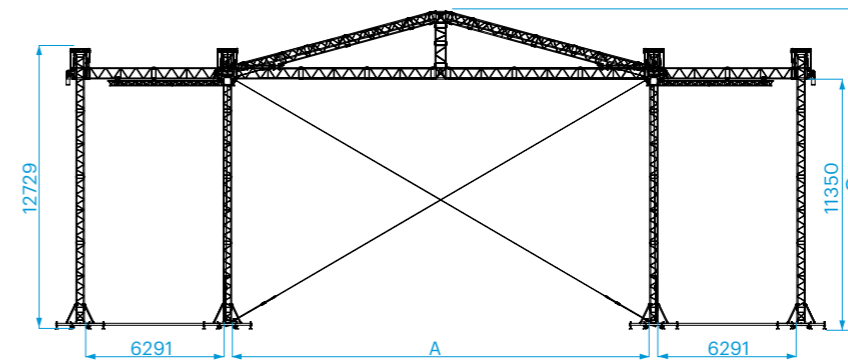
Canopy	side, back and top
Canopy colour	standard: outside grey, inside black (other colours possible)
Soundwings	Optional (yes, loading 2000 kg each)
Ballast	several possibilities on request from 1 - 7 ton per tower depending on construction
Staging	Prolyte stage elements, EasyFrame B or Probeam combined with a scaffolding stage



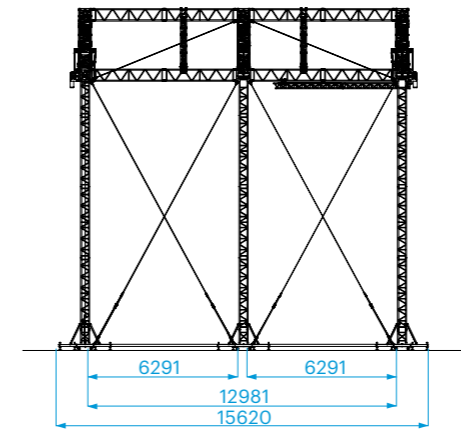
Photo: Showtech, Dubai



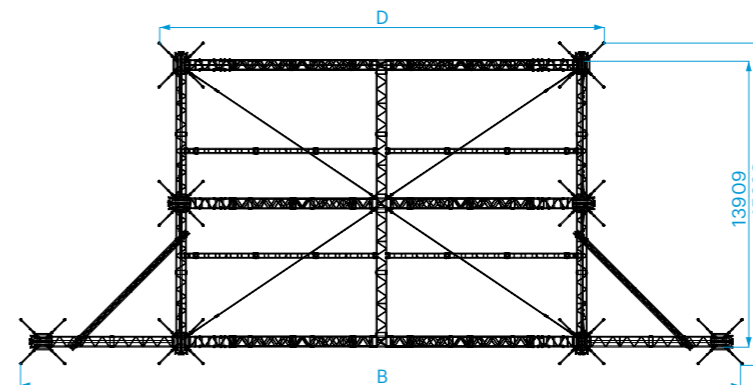
Front view



Side view

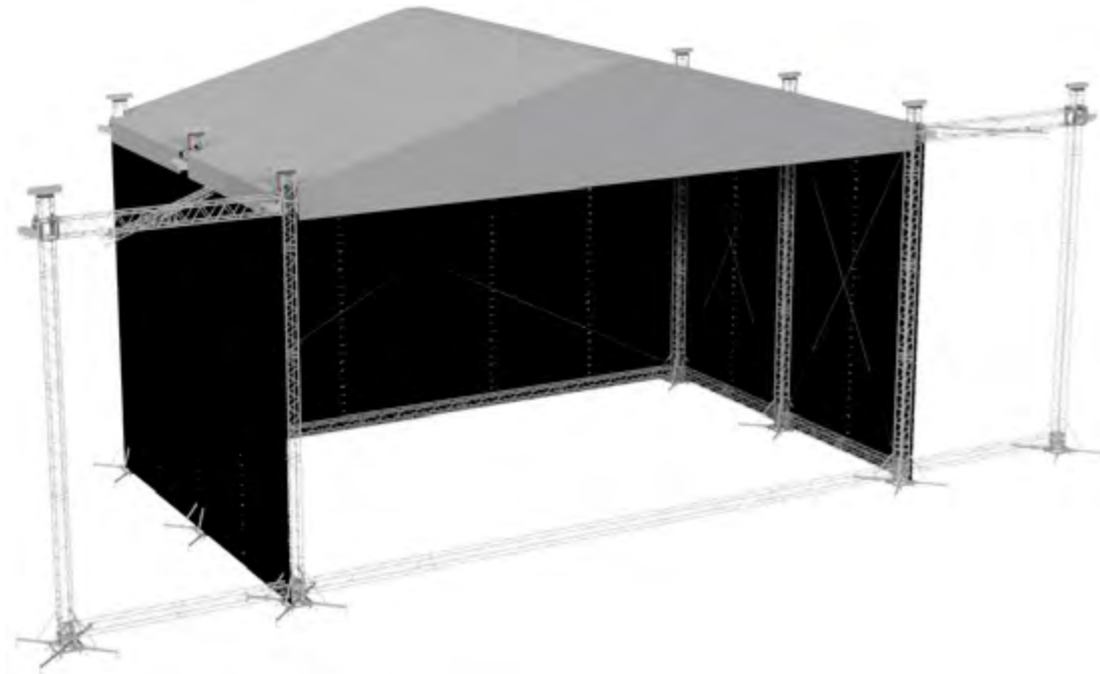


Top view

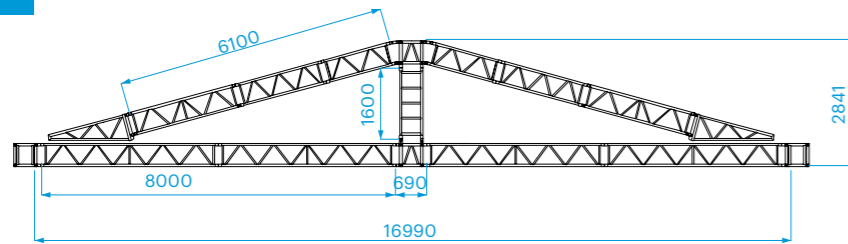


ST-ROOF SYSTEM

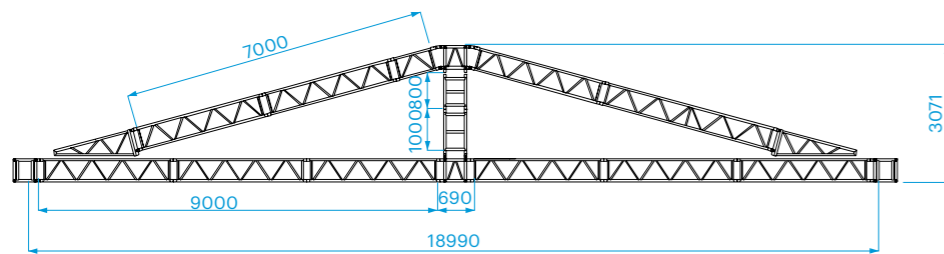
Stage measurements		A		B		C		D	
20 x 14 m	65'6" x 45'9"	20,99 m	68'8"	37,0 m	108'2"	14,70 m	48'2"	23,62 m	77'4"
18 x 14 m	59'0" x 45'9"	18,99 m	62'3"	35,0 m	114'8"	14,70 m	48'2"	21,62 m	70'9"
16 x 14 m	52'5" x 45'9"	16,99 m	55'7"	33,0 m	121'3"	14,70 m	48'2"	19,62 m	64'3"



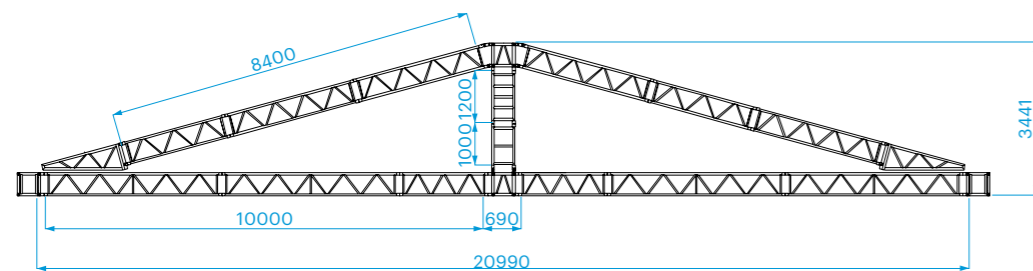
ST ROOF 16 x 14 m



ST ROOF 18 x 14 m



ST ROOF 20 x 14 m



all measurements in mm



Photo: Tom Jones, Holkham Hall, the UK

**SYSTEM DESCRIPTION**

Based on H40V truss, the Polygon XII roof system offers a multi-functional and cost-effective solution. The straight truss lengths convert into a curved "tunnel" type roof with the addition of special corner sections. Side stage areas and the cantilever construction are integrated in the design. The back wall is based on standard kedar profile and can be easily removed in case of bad weather conditions.

The complete roof structure is based on a metric system and fully compatible with a Layher sub-structure and integrated Layher adapters. The Polygon roof system comes in four different sizes apart from the width of the stage, also the depth can be varied. This makes the roof

system adaptable to any type of event. To convert from one size to the other, only some straight length parts need to be added, all corner parts remain the same. This solution minimizes the amount of parts needed and offers maximum flexibility. E.g. for a 12x14 roof size you start with 1,5m truss lengths. By adding additional 0,25 or 0,50m length, you can convert your roof into the 14x14m or 16x14m size respectively. By adding the 0,25m. length to the 16x14m size, you can have the 18x14 m roof size.

**INCLUDING**

- Tension gear and steel wires
- Structural report

**ROOF STRUCTURE**

Towers	N/A
Main grid	H40V truss

**TECHNICAL SPECIFICATIONS - POLYGON XII ROOF**

Dimension	<ul style="list-style-type: none"> <li>• 18 x 14 m, (59'0" x 45'11")</li> <li>• 16 x 14 m, (52'5" x 45'11")</li> <li>• 14 x 14 m, (45'11" x 45'11")</li> <li>• 12 x 14 m, (39'5" x 45'11")</li> </ul>
Loading capacity (UDL)	<ul style="list-style-type: none"> <li>• 18 x 14 m approx. 7530kg</li> <li>• 16 x 14 m approx. 6920kg</li> <li>• 14 x 14 m approx. 6990kg</li> <li>• 12 x 14 m approx. 8420kg</li> </ul>
Total weight (Layher stage included)	<ul style="list-style-type: none"> <li>• 18 x 14 m approx. 17000kg</li> <li>• 16 x 14 m approx. 16500kg</li> <li>• 14 x 14 m approx. 15500kg</li> <li>• 12 x 14 m approx. 15000kg</li> </ul>
Transportation volume	<ul style="list-style-type: none"> <li>• 18 x 14 m approx. 120m³</li> <li>• 16 x 14 m approx. 110m³</li> <li>• 14 x 14 m approx. 100m³</li> <li>• 12 x 14 m approx. 100m³</li> </ul>
Max. wind speed	28,4 m/second, 63,3 mph

Consult Prolyte for up-to-date information on loading capacity, wind speed, total weight and transportation volume in line with the latest regulations.

**Advantages**

- Easy to convert in four sizes
- Minimum amount of parts needed
- Width and depth can be varied
- Fully compatible with a Layher sub-structure

**OPTIONS**

Canopy	side, back and top
Canopy colour	standard: outside grey, inside black (other colours possible)
Soundwings	yes / loading 2000 kg each
Ballast	several possibilities details on request. For example, water tanks, concrete blocks
Staging	Prolyte stage elements, Probeam combined with a scaffolding stage, or a layher stage